

CLASSIFICATION

CENTRAL INTELLIGENCE AGENCY 25X1 REPORT NO.
Approved For Release 2005/12/14 : CIA-RDP82-00457R002800420008-1

INFORMATION REPORT

CD NO. *Null AB3*

COUNTRY Yugoslavia

CONFIDENTIAL~~SECRET~~SUBJECT Chemical Laboratory of Federal
Institute for Telecommunications,
25X1 LjubljanaPLACE
ACQUIRED

DATE OF INFO.

25X1

DATE DISTR. 8 JUNE 1949

NO. OF PAGES 1

NO. OF ENCL.
(LISTED BELOW)SUPPLEMENT TO
REPORT NO.*Return to CIA Library*

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25X1 THIS IS UNEVALUATED INFORMATION

1. The Chemical Laboratory of the Federal Institute for Telecommunications is located in a building formerly a rice mill, in Ljubljana. The laboratory is under the jurisdiction of the Yugoslav Ministry of Heavy Industry.
2. The laboratory is directly connected with the section of the Institute located at Kongresni Square, Ljubljana in a former drug store owned by a certain Bahovec, and also with a section of the Institute in the Electro-Technical Faculty of the Ljubljana University.
3. At the Institute for Telecommunications experiments are conducted in telegraph and radio communications, while at the laboratory, experiments are conducted with magnetic materials for different high frequency cores, (i.e., transformer and dynamo lamination tests). The biggest problem with high frequency cores is to discover a good lamination insulating material. At present, a specially composed "bakelit" material is being tried out in lieu of various "celon" varnishes. With the "bakelit", the cores reached the same quality as similar Italian ones. These cores can be machined and are not brittle (unlike most foreign-made cores). Through successful experiments the loss of electric energy in dynamo and transformer laminations has been cut down to 1.5 watt per kilogram.

This document is hereby regraded to CONFIDENTIAL in accordance with the letter of 16 October 1978 from the Director of Central Intelligence to the Archivist of the United States.
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Document No. *008*
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Auth: DDA Memo, 4 Apr 77
Date: *27 Mar 78* By:

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